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International Registries, Inc.

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# Project Overview

International Registries, Inc. (IRI) is using Oracle Watch List Screening Solution. Oracle has implemented the Watchlist Management and Watchlist Screening (3 bucket solution) Solutions. Inspirage is engaged with IRI for development and support of OWS solution. Inspirage is helping with enhancement and optimization of current solution. Inspirage has developed SAN Watchlist Screening (1 Bucket Solution). Inspirage has been engaged by IRI for requirement gathering and solution design for Entity Match Customization. Currently we are getting both fuzzy and exact results. So we are planning to modify the solution for exact entity match.

# Purpose

This document captures requirement and planning for Entity Match Customization.

# Scope

The section below explains broadly what is in scope for Entity Match Customization.



## In Scope

* Analysis for Rules returning the unwanted results
  + **Rules to disable for unexpected results**

1. [E090D] Name without business words has all words with typos only
2. [E130D] Name without suffixes contains, similar and multiple names in common only
3. [E150D] Name without business words contains, sounds like and multiple names in common
4. [E190D] Name without business words, similar with typos, sounds like, with multiple names and residual token in common only
5. [E220D] Name without suffixes contains, similar and residual token in common only
6. [E230D] Name without suffixes starts with and residual token in common only
7. [E300D] Name without business words similar with typos, sounds like and significant overlap only
8. [E320D] Name has additional words with typos, sounds like and residual token in common only
9. [E350D] Name without business words, similar with typos, sounds like and multiple names in common only
10. [E400D] Name has additional words and sounds like only
11. [E410D] Name has additional words with typos and sounds like only
12. [E420D] Name without business words loose match and full name sounds like only
    * **Tweaking the rules to get more accurate results**
      1. [E250D] Name without suffixes contains, residual token in common and significant overlap only

# Business Requirements

Entity Match Customization to get more accurate results.

## Analysis, Issue Description

After our analysis on entity data we found, There are few entity matching rules returning the fuzzy or loose match and few results are based on soundex algorithm.

|  |  |
| --- | --- |
| Unexpected Results for Entity **“JAFFA CO”** | Unexpected Results for Entity **“TOYOTA MOTOR”** |
| JAFFA ASSOCIATION FOR CHARITY ACTIVITY | TOYODA GOSEI CO LTD |
| JAFFA IMPEX PRIVATE LIMITED | TOYOTA KIRLOSKAR INDIA |
| JAFFNA | TATA MOTORS |
| JAFFA FOR CHARITY ACTIVITY | TOYOTO MOTOR CORPORATION AUSTRALIA LIMITED |
|  | TOYOTO MOTOR CORPORATION AUSTRALIA LIMITED |

## 4.2. Names to be Screened

Below are the names we are using for testing and below are the current results for these entity names.

|  |
| --- |
| **Entity Names to be Screened** |
| TOYOTA MOTORS |
| NEPTUNE HOLDING OVERSEAS S.A. |
| JAFFA CO |
| CHINA UNITED ENGINEERING CO LTD |
| FORTUNE LANTAU SHIPPING LIMITED |
| NINGBO KANDY IMP EXP CO LTD |
| SMARTEK SHIPPING CORPORATION |
| BRIGHT EAGLE MARITIME INC |
| APEX CONCEPT CORP LIMITED |



# Solution

Entity Match customization is to get exact results. Since the customization will be based on the matching rule, there is a possibility of certain names may not be exact match because disabling or tweaking rule can have an impact on other entity names. We will apply best possible solution to minimize the impact.